



सत्यमेव जयते



COURSE REPORT
of
One-week Training for in-service SFS Officers/Sr. FRO's
on
'Green Infrastructure'
during
20 – 24 January 2025



Central Academy for State Forest Service, Dehradun
Ministry of Environment, Forest & Climate Change
Government of India

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EXECUTIVE SUMMARY

Central Academy for State Forest Service (CASFOS), Dehradun under the aegis of Directorate of Forest Education (DFE), Ministry of Environment, Forest, and Climate Change, under its mandate conducted one week refresher course/workshop (from 20.01.2025 to 24.01.2025) for “**In-service State Forest Service Officers/Senior Forest Range Officers**” on the theme “**Green Infrastructure**”. The Ministry of Environment, Forest and Climate Change, Government of India sponsored for the In-service Refresher courses/workshop.

The training was inaugurated in the presence of Shri E.Vikram, IFS, Principal, CASFOS, Dehradun. In the opening remarks, Shri E.Vikram, IFS, stressed the need for such courses for the serving officers and how the development goals must be balanced with the Green Infrastructure approach. He welcomed all the participants to CASFOS Dehradun. The detailed timetable showing session-wise topics and resource persons is enclosed as **Annexure-V**.

A total of 31 nominations from 17 States across India were received for the course/workshop out of which 24 participants from 15 States successfully completed the course/workshop. The course/workshop was very well appreciated by the participants. The reduction in the number of participants when compared to the nomination number received was due to unavoidable reasons for some participants at the last moment.

The Valedictory session was presided over by Shri E.Vikram, IFS, Principal, CASFOS, Dehradun, during which an interactive session with the participants was also held. In his Valedictory address, he emphasized departmental coordination regarding the Green Infrastructure approach, knowledge of species and area for the forest manager, and integrating green building concept in the work done by forest officers. Feedback by the participants during the session was also highlighted by The Principal for improving future programs. Sh. Amlendu Pathak, IFS, Course Director, gave a presentation about the program and concluded the program with a vote of thanks to the entire team and to the participants. The participants gave an overwhelming response to the course.

A compendium of articles, presentations related to the relevant topics covered during the course, apart from the copies of the presentations made by the experts in each session were provided in soft copy to each participant as part of the training kit by the Academy.

The overall impact of the course/workshop was positive and the feedback and high rating from the participants corroborates the assessment of the organizers.

Format for reporting evaluation of refresher course conducted by the
institute/organization for the SFS officers sponsored by the
Ministry of Environment, Forests & Climate Change, GOI, New Delhi as per the
merged format of MoEF&CC and JICA

Course Report

MoEF&CC/DFE's letter number and date		No. 4-899/TRG.II/DFE-2022/1886-88, Date 03.09.2024
Institute's reference number		No. 4-147/Trg.II/GI/2024-25/CASFOS/ I/93315/2025, Date 14.01.2025
1	Name and complete address of the Institute (including phone, fax, and e-mail)	Central Academy for State Forest Service, Dehradun ☎ 0135-2754575/2754648 Email- casfos.dd-mef@gov.in
2	Title of the course	Green Infrastructure
3	Duration & period of the Course	One-week From 20 th to 24 th January, 2025
4	Name & designation of the Course Director	Shri Amlendu Pathak, IFS
5	Number of officers participated	24 (Details at Appendix- IV)
6.1	(a) Did the institute get in touch in advance with the participants of the course?	Yes
	(b) If yes, when (mention the date of communication to the officers)?	Multiple times on various days through email, voice calls and messages from 03.09.2024 till start of training
	(c) Details of nomination/registered received from States prior to the Course	31 nominations from 17 States
	(d) How many officers received the intimation?	All
	(e) How many officers responded?	24
6.2	(a) Were the course expectations of the participants ascertained by the institution?	Yes
	(b) If yes, how, and when (dates)?	By direct interaction and in the form of feedback on prescribed proforma collected during the course
7.1	(a) Was the course conducted at the institution's campus? If no, where?	Yes
	(b) Whether the course was "residential" or non-residential. If residential, whether the residential facilities were provided in the institution's own hostel or in a hotel etc.?	Residential (Accommodation was provided at Hotel Lalit Palace)

7.2	(a) Total no. of working days in the course	5 days
	(b) Total no. of sessions planned/ convened in the course	8 sessions
	(c) No. of sessions, which could not be conducted as planned with reasons	Nil
	(d) Internal faculty hours	9 (including Field visit)
	(e) Guest faculty hours	12 hours
	(f) No. of days / hours spent on field visit(s) if any	2 full days
Enclosure: <ul style="list-style-type: none"> - Final timetable - List of faculties - Final list of participants 		
8	(a) Had the same or similar course been conducted earlier under the sponsorship of the MOEF&CC/ Department of Personnel and Training (Government of India)?	Yes, under the sponsorship of the MoEF&CC
	(b) What changes, based on the feedback received on the previous course, were made in the current course?	Enhanced pool of resource persons and avoidance of online sessions.
9	Feedback received from current course participants in terms of: (*1.1, 2.1.... shown below refer to question number in Part C or Part D of the feedback form.)	
9.1	Course Content and Structure (CCS)	Course Content & Structure including reading material was found to be relevant and highly appreciated by the participants with a rating of 90.31% The course aim was met with full satisfaction & as per feedback, there was an increase in the knowledge level of the participants.
9.2	Training Faculty (TF)	The participants rated the training faculty with 92.13% All training faculties for lecture sessions were highly appreciated by the participants.
9.3	Usefulness of the course (UOC)	The participants have given feedback that the training course will be highly useful immediately and in future, with a combined rating as 91.02%
9.4	Overall impression about the Course (OIC)	The participants have given overall feedback of the course as very good and rated it around 87.50%
9.5	Participant's views about the strengths and weaknesses as well as other aspects pertaining to the course. (Please attach summary as Appendix-I.)	Overall, the participants appreciated the course. The suggestions made by them along with the Academy's comments are attached for reference.

9.6	Logistics (including Residential accommodation, Food quality, Classroom facilities, Computer facilities and Recreation facilities and Time management etc.)	The expectations of participants regarding the level of all logistics facilities provided by the academy have been highly appreciated, with an overall rating to logistics arrangement received is 87.75%
9.7	Weighted Average (Please attach summary as Appendix-II)	The weighted average of the course has been rated as 89.78% , which is found to be very satisfactory.
10	General remarks of the Course Director on the nature and extent of participant's involvement in the course including attendance punctuality and interest evinced	Participants were enthusiastic and expressed their keenness to learn from the day one of the training program. All appeared to be interactive during the sessions, cleared their doubts, and shared their own experiences.
11	Suggestion highlighting the areas of improvement in the Course for the future by Course Director	The training workshop received a very positive response in all aspects such as Course contents, Topics, Choice of speakers, and Components of Field visits, Field demonstrations.
12	Comments of the Institution on how the feedback is proposed to be recycled into future programmes in terms of course content, methodology, etc.	As reported by the participants, they benefitted immensely from the course. The Academy will try its best to incorporate the suggestions into further improvement of the course in future.

(Shri Amlendu Pathak, IFS)
Course Director

Countersigned

(Shri E. Vikram, IFS)
Principal
CASFOS, Dehradun

Appendix-I**Course Director's comments on
Participant's views about the strengths and weaknesses pertaining to the course**

S. No.	Participants' views	No. of participants who have expressed the view	Course Director's Comments
1	The training program was very good. All the facilities were excellent	5	Highly appreciated.
2	Nicely planned & executed training course with proper amalgamation of classroom lectures & field exposure	1	
3	There can be an ice-breaking session for trainees as part of training. Feedback could be without identity of the participants to have better feedback. Reading material can be provided if possible.	1	Noted. Reading material was shared in soft copy.
4	Possibility of visit to nearby institutions could add to the training like FRI, FSI etc	2	Sessions related to the subject were kept.
5	Food was mostly veg so a little bit difficult may be included in future course in every meal. Few occasions hotel staff were not supportive	1	Noted for improvement.
6	Confirmation about course came little late if possible 15 days prior to course confirmation may be given so we can plan our workloads accordingly	2	The matter depends on the states.
7	Lecture duration should be 1 hr, online sessions may be avoided please	5	Noted. Online sessions were kept at the last moment as the resource persons could not come due to unforeseen circumstances.

Appendix-II**Numerical value of feedback and Weighted Average**

For calculation of numerical value of feedback, each factor is valued as percentage value to the top grade given to the factor. If no answer is provided, it is excluded from calculation. (cf; where number of grades is 4, percentage value be 100, 75, 50, 25)

The average numerical value of factors consisting of the element is a numerical value of the element.

1. Course Content and Structure (CCS) = 90.31

- 1.1 Course aims met (95)
- 1.2 Increase of knowledge (85)
- 1.3 Relevance of content (93.75)
- 1.4 Reading Material (87.50)

2. Training Faculty (TF) = 92.13**2.1 Assessment of the Course contents/topics = 93.90**

- Contents (93.60)
- Presentation (94.60)
- Quality of Discussion/Interaction (92.80)
- Meeting for Objectives (94.60)

2.2 Assessment of the Field Visit = 90.35

- Contents (90.40)
- Objectives (93.30)

3. Usefulness of the Course (UOC) = 91.02

- 3.1 How useful to you immediately (92.05)
- 3.2 How useful to be for the future jobs (90)

4. Overall Impression about the Course (OIC) = 87.50**5. Logistic = 87.75**

- 5.1 Residential accommodation (82)
- 5.2 Food quality (86)
- 5.3 Classroom facilities (93.50)
- 5.4 Time management (89.50)

Weighted Average for the Course

For calculation of Weighted Average (WA), the following formula is used

$$\text{WA} = \{[\text{CCS (100\%)} + \text{TF (100\%)} + \text{UOC (75\%)} + \text{OIC (100\%)} + \text{L (75\%)}] * 100\} / 450$$

$$\text{WA} = [(90.31 + 92.13 + 68.26 + 87.50 + 65.81) * 100] / 450$$

$$= 89.78\%$$

Appendix – III**Details of Topics & Resource Persons**

Sl. No.	Topic	Name	E-mail
1.	Roads in the Woods: Real life Lessons Learnt in Uttarakhand	Dr. Bivash Pandav, Scientist-G, WII	dwii.wii@gov.in 9412057152
2.	Green Infrastructure for Landscape Conservation	Dr. Omprakash D. Madguni, Lecturer & Asst. Prof, IIFM, Bhopal	prakash@iifmbhopal.edu.in
3.	Connecting the Fragmented Forest	Dr. Vinay Kant Mishra, IFS, ADG, ICFRE, Dehradun	adg_edu@icfre.org
4.	Green Infrastructure for Human- Wildlife Conflict Management	Dr Akansha Saxena, Project Scientist, WII	akanksha01065@gmail.com
5.	Green Building: Concept & Guidelines	Ms Shabnam Bassi, Associate Director and Fellow TERI, New Delhi	shabnam.bassi@teri.res.in
6.	Experience Sharing on Linear Infrastructure and Micro-hydropower Projects	Dr Anil Singh, Leader, TAL, WWF India	aksingh@wwfindia.net
7.	Experience Sharing on Linear Infrastructure and Micro-hydropower Projects	Er. Pramod Neupane, Lead, ALISN Project, WWF India	pneupane@wwfindia.net

Appendix- IV**List of Participants**

Sl. No.	Name of the Officer	Designation	Email ID	Mobile no.	State
1.	Mr. Sanchit Sharma	DCF	sanchitsharma88@gmail.com	7415995623	Chattisgarh
2.	Mr. Tirthraj Sahu	FRO	tirthraj.sahu@cg.gov.in	7089693150	Chattisgarh
3.	Mr. Bhupinder Singh	FRO	forestchandigarh@gmail.com	9781711501	Haryana
4.	Sh. Vishal Borhade	ACF	vishalborhade12@gmail.com	9860380448	Maharashtra
5.	Sh. Ritesh Bhongade	ACF	ritesh.nbhongade@gmail.com	7798919500	Maharashtra
6.	Smt. Sonal Kamdi	DFO	acfmate@gmail.com	9049333395	Maharashtra
7.	Mr. Thiru.S.Sathish	FRO	tnforest@nic.in	6374419442	Tamil Nadu
8.	G. Vinothraj	ACF	vinothraj3395@gmail.com	7845540076	Tamil Nadu
9.	P. Ramesh	FRO	ramesh1994.in@gmail.com	8056867846	Tamil Nadu
10.	Gaurav Kr. Pant	Dy. Director	gauravpantj2@gmail.com	7087528418	Uttarakhand
11.	Santyendra Singh Tomar	ACF	dfo-lalitpur@rediffmail.com	7839435145	Uttar Pradesh
12.	Siddesh U Gaude	FRO	sid2986@gmail.com	779898615	Goa
13.	Narayan D. Prabhudessai	FRO	nde1974@gmail.com	9545197197	Goa
14.	Shri Nilratan Panda	ACF	nilratan_panda@yahoo.com	9475216660	West Bengal
15.	Shri Partha Debnath	ADFO	partha.pspl@gmail.com	9647679651	West Bengal
16.	Shri Rajendra Verma	ACF	anshul_ani@rediffmail.com	9474248248	Andaman & Nicobar Islands
17.	Sri Sahan Kumar T.M.	DCF	sahankumar10@gmail.com	9449813743	Karnataka
18.	ShivaRudarappa Kabadagi	DCF	shivarudrk@gmail.com	8971271203	Karnataka
19.	Sri Sumanth S	DCF	surnsarva@gmail.com	7795593415	Karnataka
20.	Sri Sangamesh Patil	FRO	dcfhalyal@gmail.com	9611161311	Karnataka
21.	Shri Madhorao Uikey	ACF	madhavrao93@gmail.com	8319153495	MP
22.	Shri Sourav Kumar Kabra	ACF	Souravkabra16@gmail.com	9399408628	MP
23.	Shri AjayGhosh. V	ACF	ajaykfd2024@gmail.com	9447308794	Kerala
24.	Smt. Ashalatha. A	ACF	ashakannathuacf@gmail.com	9947558779	Kerala



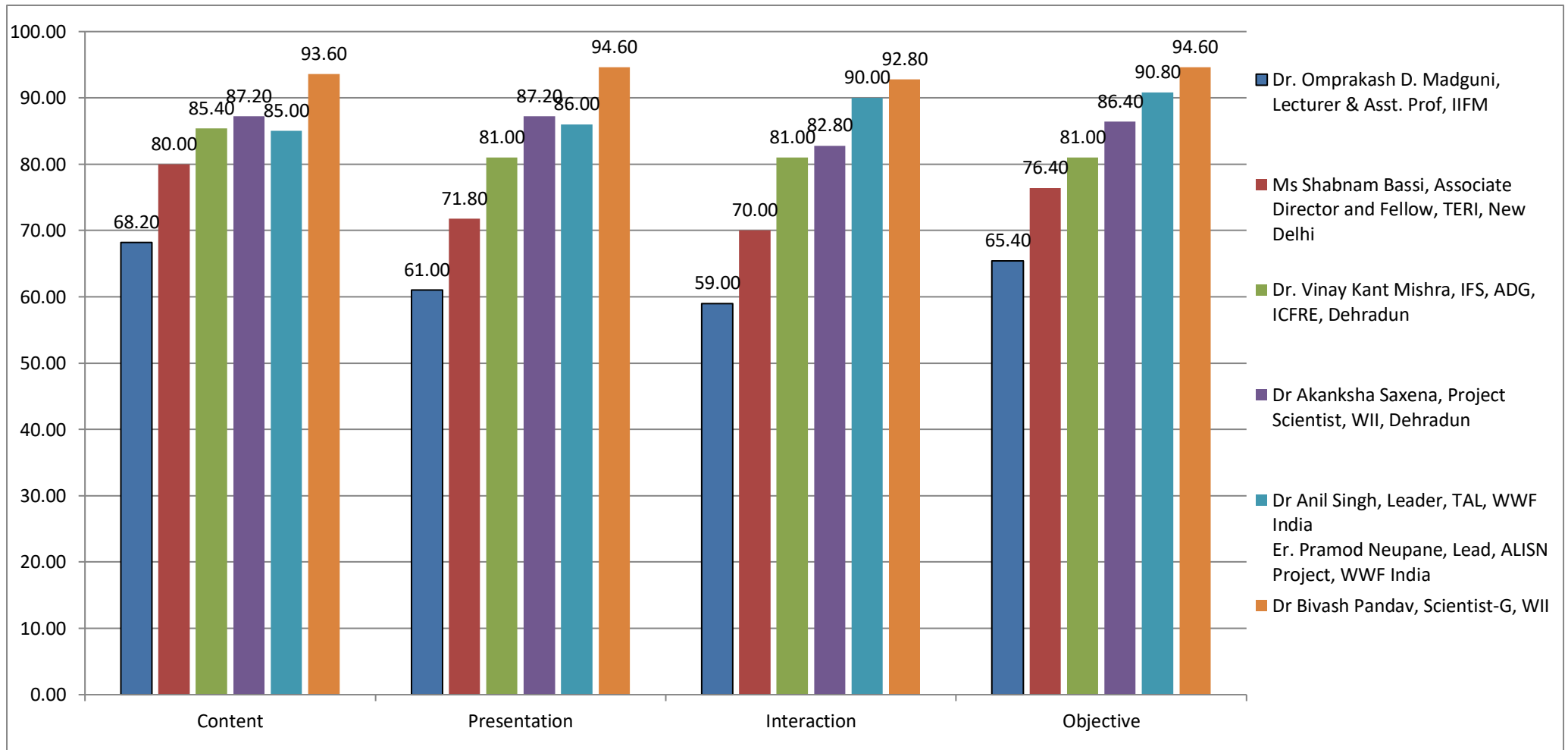
CENTRAL ACADEMY FOR STATE FOREST SERVICE, DEHRADUN
One Week Refresher Course for In-service SFS Officers/Sr. FRO's on
"Green Infrastructure"

20 – 24 January 2025

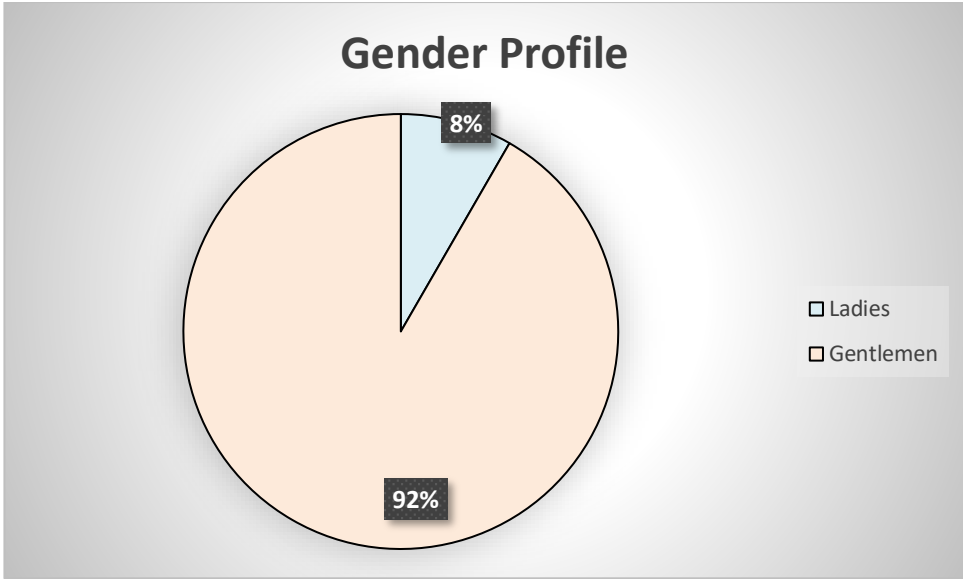
Tentative Schedule

Date/Time	Theme/Topic and Faculty/Resource Persons/Panelists
20 January 2025 (Day – 1)	
0915 – 0945 hrs.	Registration of the participants
0945 – 1100 hrs.	Inaugural Session on "Merging Green Concerns with Development Goals" - Sh. E. Vikram, IFS, Principal, CASFOS, Dehradun
1100 – 1130 hrs.	Tea Break
1130 – 1300 hrs.	Roads in the Woods: Real life Lessons Learnt in Uttarakhand- Dr. Bivash Pandav, Scientist- G, WII
1300 – 1400 hrs.	Lunch Break
1400 – 1530 hrs.	Green Infrastructure for Landscape Conservation - Dr. Omprakash D. Madguni, Lecturer & Asst. Prof, IIFM
1530 – 1600 hrs.	Tea Break
1600 – 1730 hrs.	Green Infrastructure for Landscape Conservation - Dr. Omprakash D. Madguni, Lecturer & Asst. Prof, IIFM
21 January 2025 (Day – 2) Field Exposure to Elevated Corridor at Rajaji Tiger Reserve	
22 January 2025 (Day-3)	
0930 – 1100 hrs.	Connecting the Fragmented Forest - Dr Vinay Kant Mishra, IFS, ADG, ICFRE
1100 – 1130 hrs.	Tea Break
1130 – 1300 hrs.	Green Infrastructure for Human- Wildlife Conflict Management- Dr Akanksha Saxena, Project Scientist, WII, Dehradun
1300 – 1400 hrs.	Lunch Break
1400 – 1530 hrs.	Green Building: Concept and Guidelines – Ms. Shabnam Bassi, Associate Director and Fellow, TERI, New Delhi
1530 – 1600 hrs.	Tea Break
1600 – 1730 hrs.	Interaction with the OT's of 38 th IC (2024-26)
23 January 2025 (Day – 4) Community Participation towards Sustainability: Exposure Visit to Mussoorie	
24 January 2025 (Day – 5)	
0930 – 1100 hrs.	Experience Sharing on Linear Infrastructure and Micro-hydropower Projects- Dr Anil Singh, Leader, TAL, WWF India & Er. Pramod Neupane, Lead, ALISN Project, WWF India
1100 – 1130 hrs.	Tea Break
1130 – 1300 hrs.	Participants' Experience Sharing
1300 – 1400 hrs.	Lunch Break
1400 – 1530 hrs.	Valedictory Session
1530 – 1600 hrs.	Tea Break
1600 – 1730 hrs.	Relieving

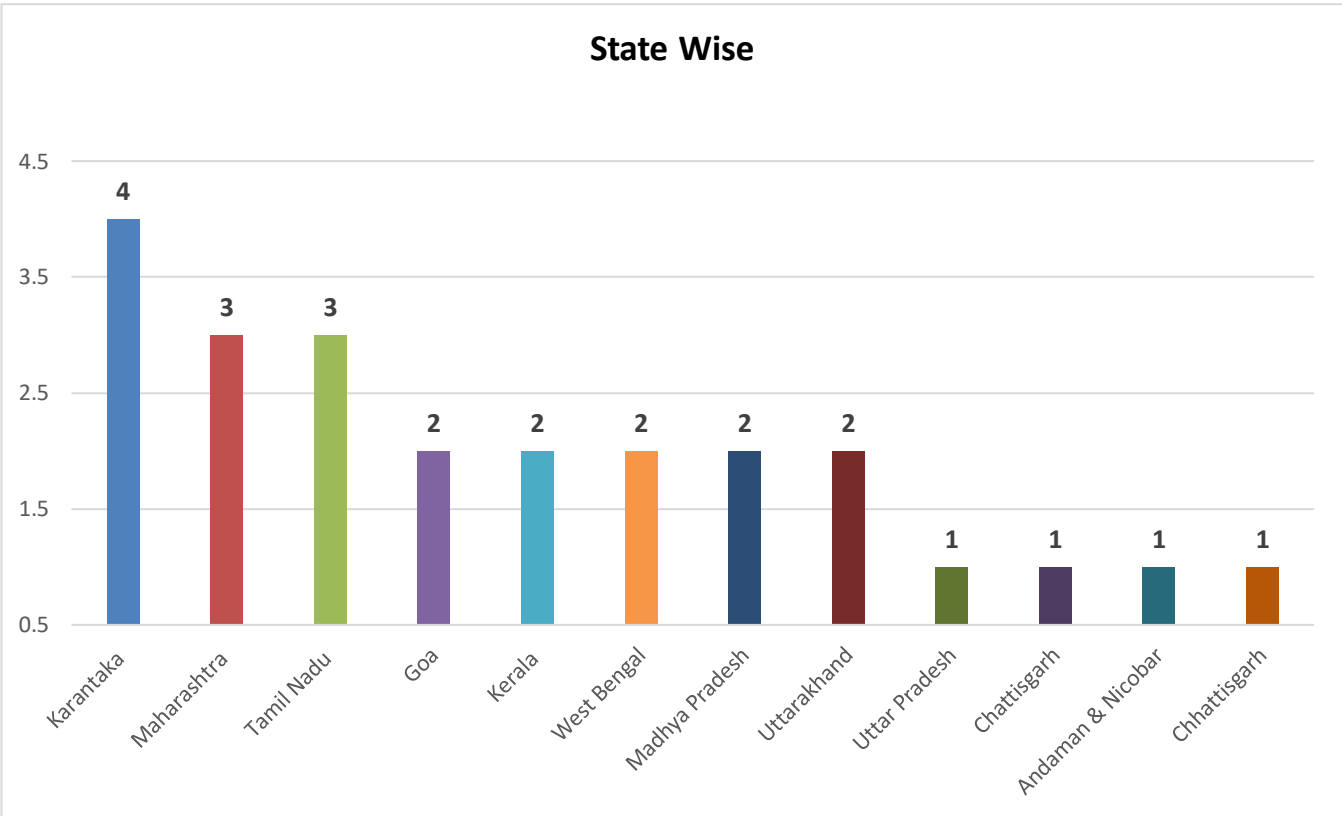
Parameter-wise distribution of feedback of resource persons



STATE WISE PARTICIPANTS



Gender-wise distribution of participants



State-wise distribution of participants

PHOTOGRAPHS OF TRAINING PROGRAMME (DAY-1)



Brief Introduction by the Course Director Mr. Amlendu Pathak, IFS, CASFOS, Dehradun



Address by Mr. E. Vikram (IFS), Principal, CASFOS, Dehradun

PHOTOGRAPHS OF TRAINING PROGRAMME (DAY-1)



Lecture session by Dr. Bivash Panday, Scientist – G, WII, Dehradun



Lecture session by Dr. Omprakash D. Madguni, Lecturer & Asst. Prof, IIFM

PHOTOGRAPHS OF TRAINING PROGRAMME (DAY-2)

Visit to Rajaji Tiger Reserve



PHOTOGRAPHS OF TRAINING PROGRAMME (DAY-3)



Lecture session by Dr. Vinay Kant Mishra, IFS, ADG, ICFRE



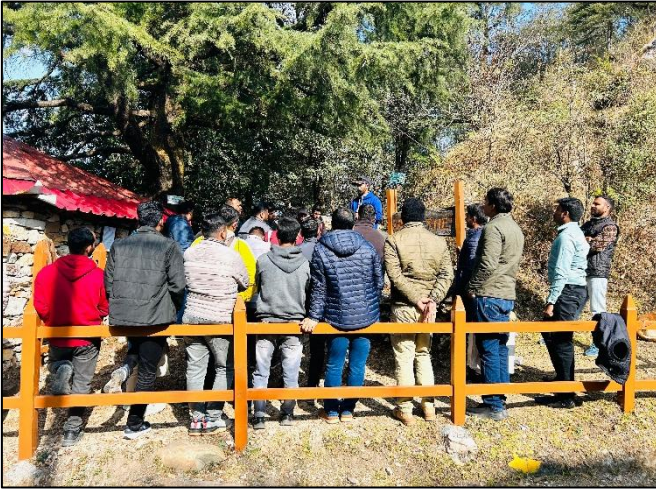
Lecture session by Dr. Akanksha Saxena, Project Scientist, WII, Dehradun



Lecture session by Ms. Shabnam Bassi, Associate Director & Fellow, TERI, New Delhi

PHOTOGRAPHS OF TRAINING PROGRAMME (DAY-4)

Visit to Jabarkhet Nature Reserve, Mussoorie



PHOTOGRAPHS OF TRAINING PROGRAMME (DAY-5)



Lecture session by Dr. Anil Singh, Leader, TAL, WWF-India & Er. Pramod Nuepane, Lead, ALISN Project, WWF-India



Participants Experience Sharing Session

PHOTOGRAPHS OF TRAINING PROGRAMME (DAY-5)



Closing remarks by Shri E. Vikram (IFS), Principal, CASFOS, Dehradun

PHOTOGRAPHS OF TRAINING PROGRAMME (DAY-5)

GROUP PHOTOGRAPH



- SITTING ROW (L TO R) :** SH. ANKIT GUPTA, SCIENTIST-C, SMT. ABHARNA K.M., IFS, LECTURER, SH. E. VIKRAM, IFS, PRINCIPAL, SH. AMLENDU PATHAK, IFS, COURSE DIRECTOR, SMT. SONAL KAMDI, DFO (MH)
- STANDING ROW 1 (L TO R) :** SH. SUMANTH S., DCF (KA), SH. VISHAL BORHADE, ACF (MH), SH. SANCHIT SHARMA, DCF (CG), SH. AJAYGHOSH V., ACF (KL), SH. NILRATAN PANDA, ACF (WB), SH. SURENDRA SINGH, FRO (UK), SMT. ASHALATHA A., ACF (KL), SH. SHIVARUDARAPPA KABADAGI, DCF (KA), SH. RAJENDRA VERMA, ACF (ANI), SH. R. RAMESH, FRO (TN), SH. SANGAMESH PATIL, FRO (KA)
- STANDING ROW 2 (L TO R) :** SH. MADHORA UKEY, ACF (MP), SH. GAURAV K. PANT, DY. DIR. (UK), SH. SIDDESH U. GAUDE, FRO (GOA), SH. SATENDRA SINGH TOMAR, ACF (UP), SH. SAHAN KUMAR T.M., DCF (KA), SH. PARTHA DEBNATH, ADO (WB), SH. BHUPINDER SINGH, FRO (CH)
- STANDING ROW 3 (L TO R) :** SH. RITESH BHONGADE, ACF (MH), SH. G. VINOTHRAJ, ACF (TN), SH. THIRU.S.SATHISH, FRO (TN), SH. SOURAV KUMAR KABRA, ACF (MP), SH. NARAYAN D.PRABHUDESAI, FRO (GOA)